

iGATE GW040 OUTDOOR

GPON ONT

iGate GW040 Outdoor is a 4 GE-ports ONT Gigabit Ethernet device, which is designed to deliver services in fiber to the home that directly connect to Camera surveillance and Wi-Fi AP network in the inclement environment.

iGate GW040 Outdoor is a part of GPON total solution which is developed by VNPT Technology, included: ONT, OLT and ONE Telco Platform management.

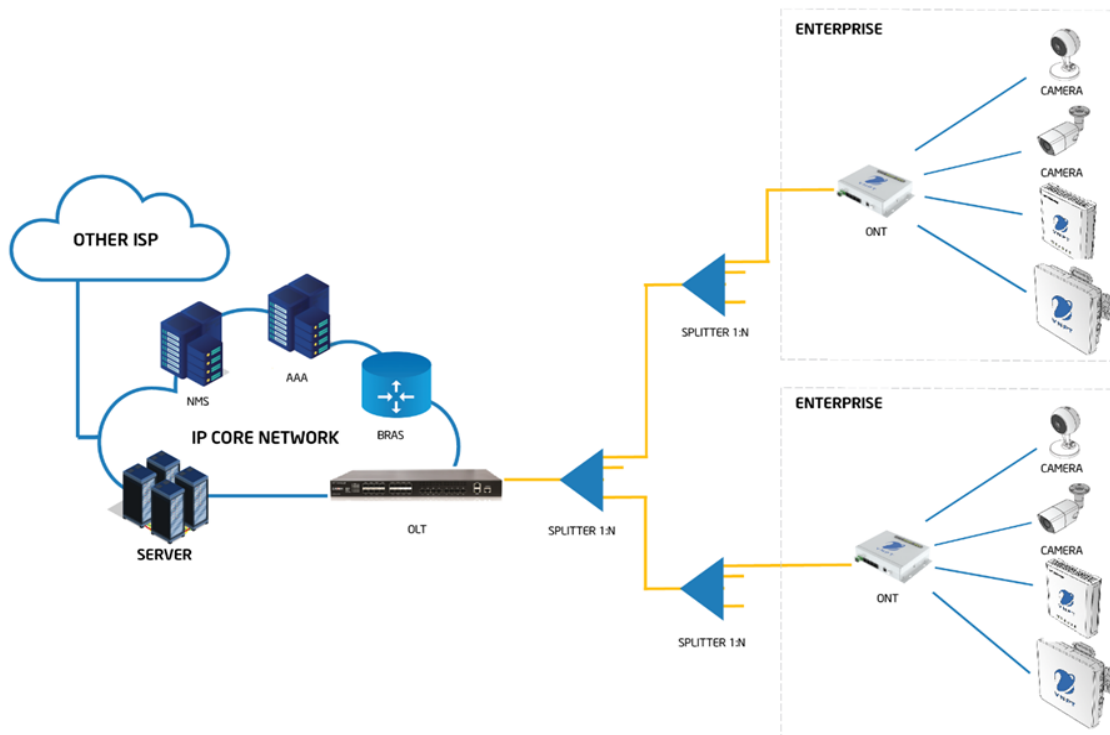


PRODUCT HIGHLIGHTS

- 4 GE LAN ports
- Working in the inclement environment
- Support IPv4, IPv6 simultaneously
- Management by ONE Telco Platform
- OLT vendor independent.
- Installed in a protective cabinet

TYPICAL DEPLOYMENT MODELS

iGate GW040 Outdoor is suitable to deploy FTTx GPON, which is provided Internet, IP Camera surveillance and Wi-Fi AP services to the end-user (Enterprises).



FEATURES

GPON

- Compliant with ITU standards:
 - ITU-T G.984.4
 - ITU-T G.984.3
- 8 queues per T-CONT, 8T-CONT/128GEM

- Physical Layer OAM(PLOAM) and OMCI
- Deactivation/Activation and re-register of the ONT

Ethernet

- 10/100/1000BASE-T interfaces
- Auto-negotiation of rate and duplex

mode

- Ethernet port auto-negotiation or manual configuration with media dependent interface crossover (MDI/MDIX)
- MAC Address Learning
- VLAN tagging/detagging per Ethernet port and marking/remarking of 802.1p
- VLAN stacking (Q-in-Q) and VLAN translation
- Support IGMPv2/v3 snooping

Software

- System information: Software version, Connection Status and Packet Statistics
- WAN connection type: PPPoE, Dynamic and Static IPoE, Bridge mode, Multi Wan connection simultaneously
- Internet Protocol and Advanced Features: Support IPv4 and IPv6, DHCP, DHCP relay, DHCPv6, NAT, DLNA Server, USB Storage, Printer

Server, Static Routing, VPN (PPTP, L2TP, IPsec) Pass through, Interface Grouping, VLAN tag/untag on Ethernet Port, DNS Relay, DDNS, IGMP snooping v2/v3

- Virtual server, DMZ, ACL, UPnP, NAT and SPI Firewall, MAC / IP / URL Filtering, Denial of Service (DoS), QoS, (802.1p)

Security

- NAT and SPI Firewall
- MAC / IP / Packet / Application / URL Filtering
- Denial of Service(DoS), SYN Flooding

OMCI

- OMCI configuration management (including the GEM port, T-CONT and VLAN configurations)
- OMCI query management (including the device information and Ethernet port status)
- OMCI alarming

Device Maintenance

- Local service configuration, and software upgrade on the Web page
- Device management, and software upgrade through OMCI
- Query of the information about the

ONT optical transceiver

- Reporting the Dying_Gasp alarm when the ONT is powered off
- Managed by ONE Telco Platform with TR-069 Protocol

TECHNICAL SPECIFICATIONS

Interfaces

- LAN 4x 10/100/1000Base-T
- Optical 1x SC/APC

GPON

- Downlink speed 2.488Gbps
- Uplink speed 1.244Gbps
- Optical class Laser Class B+
- Receive (Rx) 1490nm
- Transmit (Tx) 1310nm
- Tx Power 0.5dBm ÷ 5dBm
- Rx Sensitivity -28dBm ÷ 8dBm




Power

- Power supply 12V-1.5A, feed through an external AC/DC adapter
- Power <8W
- Consumption

Other

- Dimension 195x49.5x141.5mm
- Operating Temperature 0°C ÷ 60°C
- Operation In the inclement environment

CUSTOMER CARE & TECHNICAL SUPPORT CENTRE

-  **Address:** 1st floor, VNPT Technology Building, No. 124, Hoang Quoc Viet Str., Cau Giay Dist., Hanoi, Vietnam
-  **Telephone:** +84.24.3750.6666 (24/7)
-  **Email:** support@vnpt-technology.vn